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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/553,045	08/07/2006	Gerald Lindorfer	10901/109	1681	
26646	7590 12/20/2007		EXAMINER		
KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004			NATALINI, JEFF WILLIAM		
			ART UNIT	PAPER NUMBER	
			2858	-	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

) · ·						
·	Application No.	Applicant(s)				
	10/553,045	LINDORFER, GERALD				
Office Action Summary	Examiner	Art Unit				
	Jeff Natalini	2858				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DY.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period v.  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tir vill apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 16 O	<u>ctober 2007</u> .					
,	·					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) 9-11 and 14-20 is/are pending in the 4a) Of the above claim(s) is/are withdray 5) Claim(s) is/are allowed.  6) Claim(s) 9-11 and 14-20 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/o	wn from consideration.					
Application Papers						
9) ☐ The specification is objected to by the Examine 10) ☑ The drawing(s) filed on 12 October 2005 is/are:  Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) ☐ The oath or declaration is objected to by the Example 11.	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. Se tion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date 10/12/05.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate				

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#### **DETAILED ACTION**

# Claim Objections

Claim 15 objected to because of the following informalities: On line 6-7, 'which contact areas 'is' arranged", should be changed to "which contact areas 'are' arranged".

Appropriate correction is required.

## Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 9, 10, and 14-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nikolaus (7028531).

In regard to claims 9, 15, and 17, Nikolaus discloses a sensor system, method of manufacturing a sensor system having:

a thin-film sensor (figure 2a element 12) including a surface having at least two contact areas (figure 2a elements 12a and 12b; col 4 line 47-53);

a printed circuit board including a surface having at least two contact pads (figure 2a elements 11 and 14 form the printed circuit board, as they contain electrically conductive tracks; col 4 lines 20-27 and 40-47), the thin-film sensor arranged relative to the surface of the printed circuit board such that the surface of the thin-film sensor faces

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away from the surface of the printed circuit board (see figure 2a and also col 3 lines 43-58);

a conductive adhesive (described in col 5 lines 3-23) adapted to transmit sensor currents from the thin-film sensor to the printed circuit board, the conductive adhesive adhering to the contact areas of the thin-film sensor and the contact pads on the surface of the printed circuit board (col 3 lines 61-62; col 4 lines 39-46), each contact area joined by the conductive adhesive to a corresponding contact pad of the printed circuit board (col 5 lines 3-23).

Nikolaus lacks specifically wherein a mounting adhesive is applied on the surface of the printed circuit board in between the contact pads and arranged at least in one partial area between the thin-film sensor and the surface of the printed circuit board.

Even though Nikolaus does not specifically state there is a mounting adhesive; in looking at figure 2a, and especially figure 1, in order for the sensor to stay attached to the board (elements 11 and 14) and windshield (element 1) there must be a mounting adhesive, whether it is a type of glue/paste or the elements being soldered together.

It would have been obvious to one with ordinary skill in the art at the time the invention was made for a mounting adhesive to be applied between the sensor element (12) and the board (elements 11 and 14) in order to keep the sensor intact and working properly.

In regard to claims 10, Nikolaus discloses wherein the sensor is a moisture sensor (col 3 line 33-35).

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In regard to claim 14, Nikolaus lacks specifically wherein a thermal conductivity of the mounting adhesive is greater than .3 W/(m K).

MPEP 2144.05 IIB states that a particular parameter must first be recognized as a result effective variable, i.e., a variable which achieves a recognizable result, before the determination of the optimum or workable ranges of said variable might be characterized as routine experimentation. *In re Antonie*, 559 F.2d 618, 195 USPQ 6 (CCPA 1977).

It would have been obvious to one with ordinary skill in the art at the time the invention was made for Nikolaus to include wherein the thermal conductivity is greater than .3 W/(m K) in order in order to properly electrically connect the sensor together (col 4 line 37-46).

In regard to claim 16, Nikolaus lacks specifically stating wherein the mounting adhesive is applied before mounting the thin-film sensor with the board.

It would have been obvious to one with ordinary skill in the art at the time the invention was made to place mounting adhesive on either one of the sensor or circuit board before placing them together, so that the surfaces of the sensor and the circuit board will adhere to each other.

In regard to claims 18-20, Nikolaus discloses wherein the surface of the thin-film sensor includes exactly two contact areas (figure 2a elements 12a and 12b; col 4 line 39-46); and the surface of the printed circuit board includes exactly two contact pads (col 3 line 61-62).

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Claim 11 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nikolaus (7028531) in view of Davis et al. (6867602).

Nikolaus lacks specifically wherein the thin-film sensor is adapted to operate as a capacitive sensor.

Davis et al. discloses wherein a humidity sensor operates as a capacitive sensor (abstract).

It would have been obvious to one with ordinary skill in the art at the time the invention was made for Nikolaus to incorporate the sensor into a capacitive type sensor as taught by Davis et al. in order to measure a very small moisture content in gaseous atmospheres (col 1 line 25-35).

#### Response to Arguments

Applicant's arguments with respect to claims 9-11 and 14-17 have been considered but are moot in view of the new ground(s) of rejection. New claims 18-20 have also been rejected.

### Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action (putting claims 12 and 13 into claim 9 provided a new iteration that had not been previously examined). Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

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A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jeff Natalini whose telephone number is 571-272-2266. The examiner can normally be reached on M-F 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Hirshfeld can be reached on 571-272-2168. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Jeff Natalini

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